

RU2335852

FEDERAL INSTITUTE OF INDUSTRIAL PROPERTY

Selected databases
Query parameters
Query definition
Refine query
Query results
Basket
Saved queries
Statistics
Help
Proposals
Exit

Document: **PDF**

Status **of 19.01.2009 - operates**

(11) Number of **2335852**

the patent

document

(13) Kind of **C2**

document

(14) Document **2008.10.10**

date

(19) Publishing **RU**

country or

organization

(21) **2005115862/09**

Application

number

registered

(22) **2003.10.24**

Application

filing date

(30) Priority **60/421,309 2002.10.25 US**

data

(24) Date **2003.10.24**

started of

validity of the

patent

(43) **2006.01.20**

Unexamined

printed

documents

without grant

(45) Date **2008.10.10**

(51) Main **H04L1/00 (2006.01)**

classification

IPC

Title	WIRELESS LOCAL AREA NETWORK SYSTEM WITH MULTIPLE INPUTS AND MULTIPLE OUTPUTS
(56) List of prior art documents	WO 02078211 A, 03.10.2002. RU 2141168 C1, 10.11.1999. US 6452981 B1, 17.09.2002. WO 0176110 A, 11.10.2001.
(72) Inventor information	UOLTON Dzh. Rodni (US)
(72) Inventor information	UOLLEhJS Mark S. (US)
(72) Inventor information	KETChUM Dzhon U. (US)
(72) Inventor information	GOVARD Stiven Dzh. (US)
(73) Grantee (assignee) information	KVEhLKOMM INKORPOREJTED (US)
(85) PCT date art. 22/39	2005.05.25
(86) PCT or regional filing information	US 03/34514 (24.10.2003)
(87) PCT or regional filing information (publ.)	WO 2004/039011 (06.05.2004)
Mail address	129090, Moskva, ul. B.Spaskaja, 25, str.3, OOO "Juridicheskaja firma Gorodisskij i Partnery", pat.pov. Ju.D.Kuznetsovu, reg.№ 595

#2335852. Abstract

FIELD: information technology.

SUBSTANCE: system uses channel structure with several configurable transport channels. The system supports multiple data transmission speed values and modes, which can be configured on the basis of channel conditions and user terminal performance level. The system also uses pilot structures with several pilot signal type, for instance, beacon

(MIMO), controlled template and carrier pilot signal) for different functions, implements transmission speed , synchronisation and power control circuits to provide appropriate system operation, and uses random access for system access by user terminals, fast acknowledgement and quick resource assignment. To compensate for differences in frequency response of transmission/receiving circuits, calibration can be performed in access point and user terminals. Three-dimensional processing can be facilitated using advantages of downstream and upstream lines, as well as calibration.

EFFECT: increase of transmission bandwidth capacity.

18 cl, 33 dwg, 36 tbl

